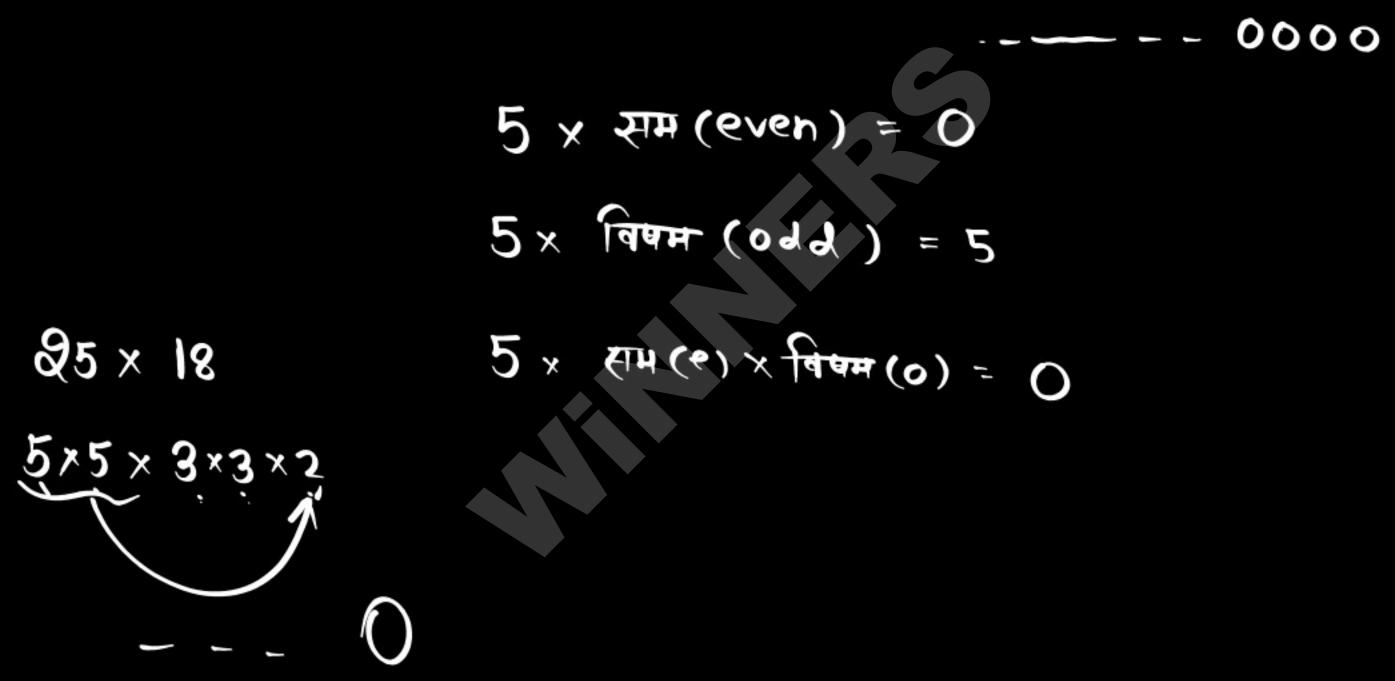
Number of Zeros





 $\frac{1}{1}$. शून्यों की संख्या ज्ञात कीजिए / Find number of Zeros in $75 \times 256 \times 2250 \times 79 \times 88$



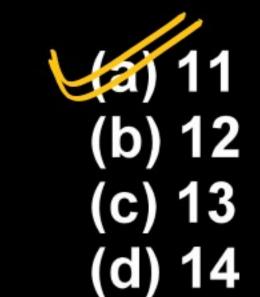


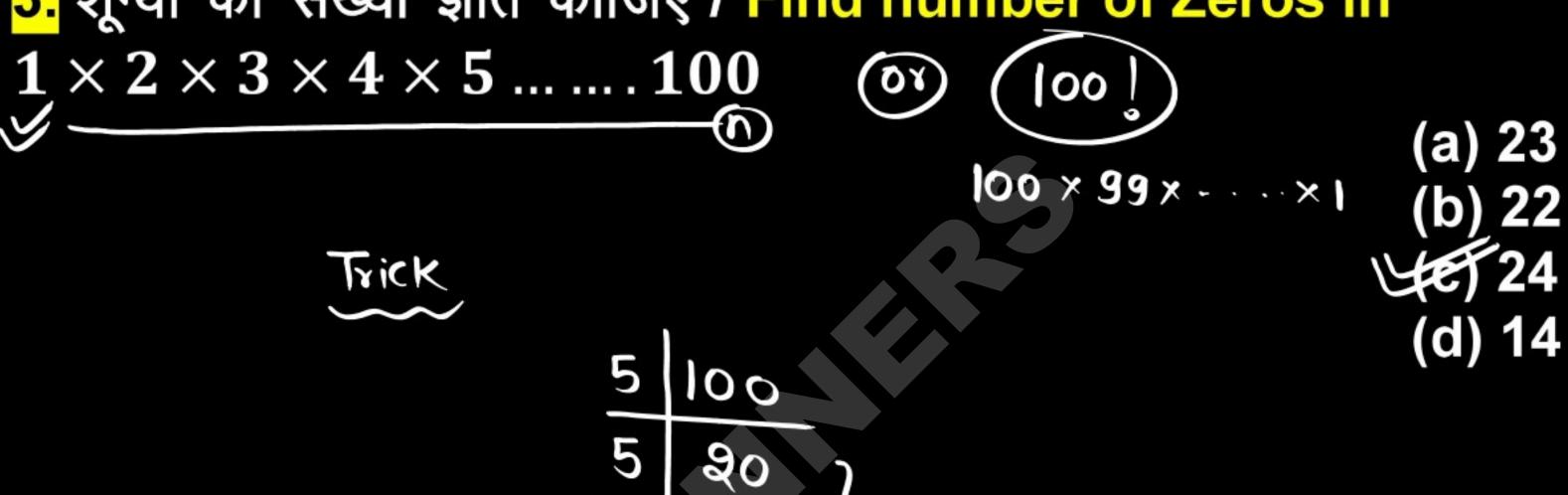
- (a) 5
- (b) 6
- (c)7
- (d) 8



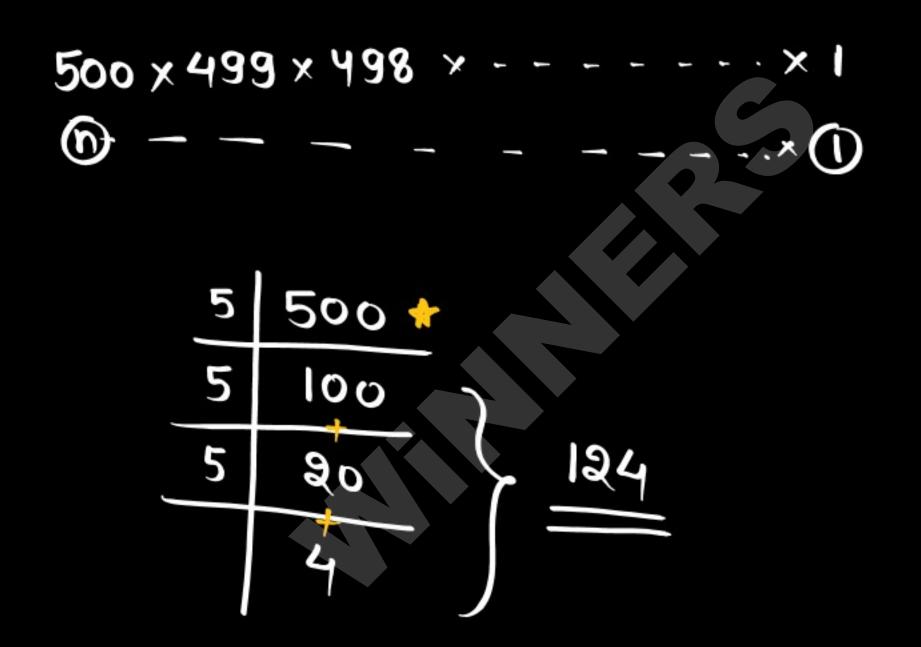








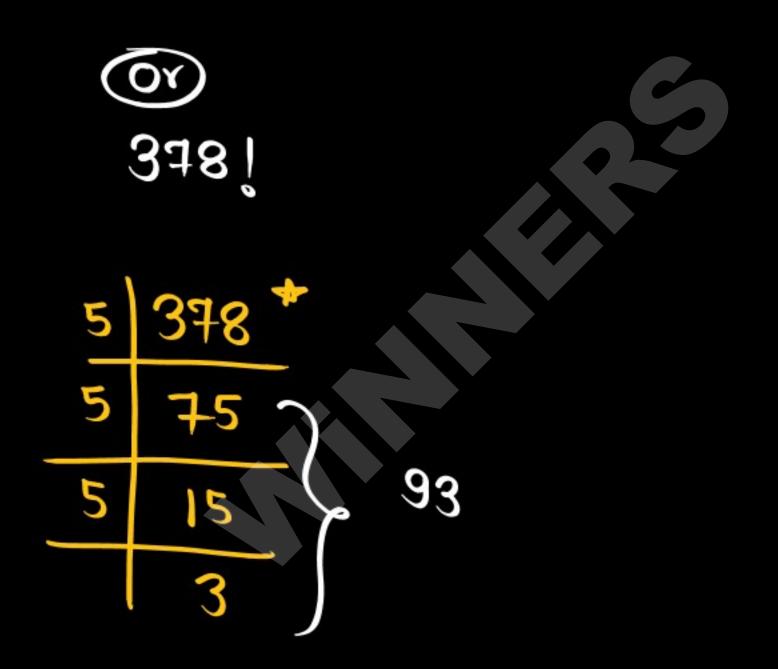




(b) 116 (c) 125

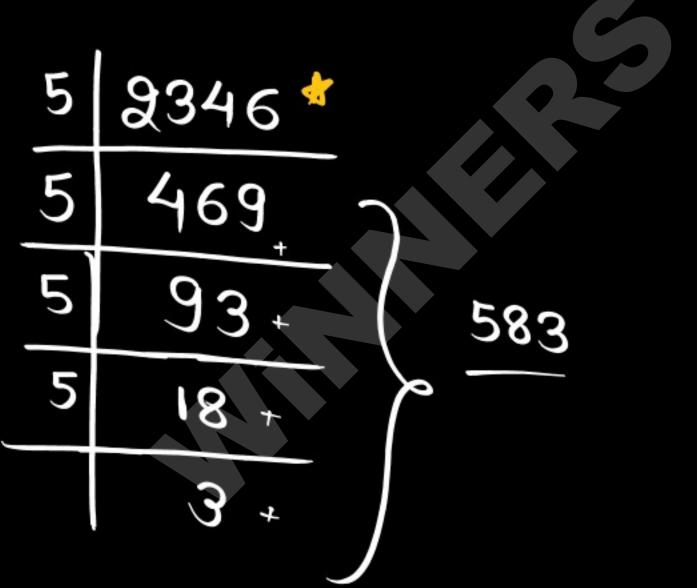
(d) 126

$$1 \times 2 \times 3 \times 4 \times ... \times 377 \times 378 = ?$$



(a) 90 (b) 93 (c) 100 (d) 85

2346! =?

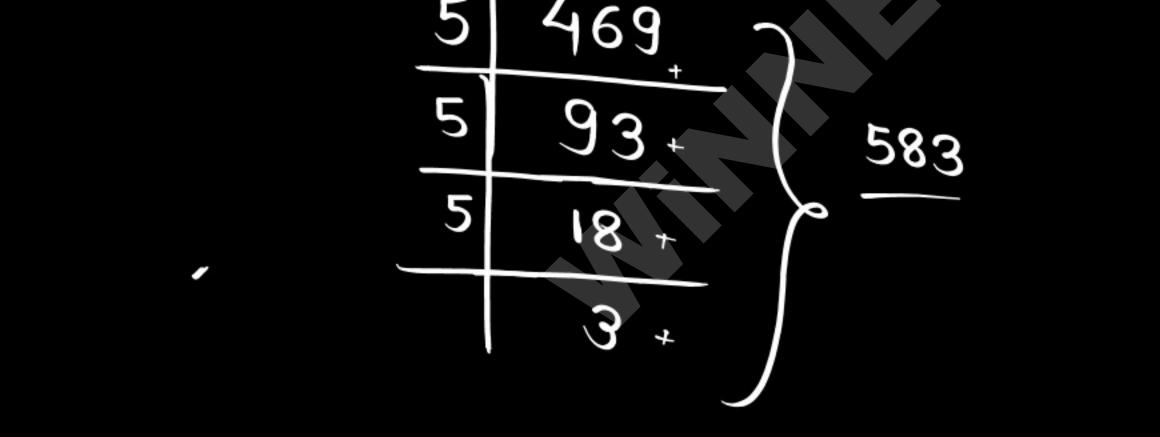


(a) 583

(b) 580

(c) 483

(d) 120





<mark>7.</mark> शून्यों की संख्या ज्ञात कीजिए / Find number of Zeros in

$$4\times8\times12\times16\times....\times560$$

$$4 \times 1 \times 4 \times 2 \times 4 \times 3 \times \dots \times 4 \times 140$$

$$4 \times 1 \times 4 \times 2 \times 4 \times 3 \times \dots \times 140$$

$$4 \times 1 \times 4 \times 2 \times 4 \times 3 \times \dots \times 140$$

$$4 \times 1 \times 4 \times 2 \times 4 \times 3 \times \dots \times 140$$

$$5 \times 140^{*}$$

$$5 \times 28^{*}$$

$$5 \times 5^{*}$$

$$1 \times 2 \times 3 \times \dots \times 140$$

$$5 \times 28^{*}$$

$$5 \times 5^{*}$$

$$1 \times 34^{*}$$



$$1\times3\times5\times7\times9\times11\times...\times101$$

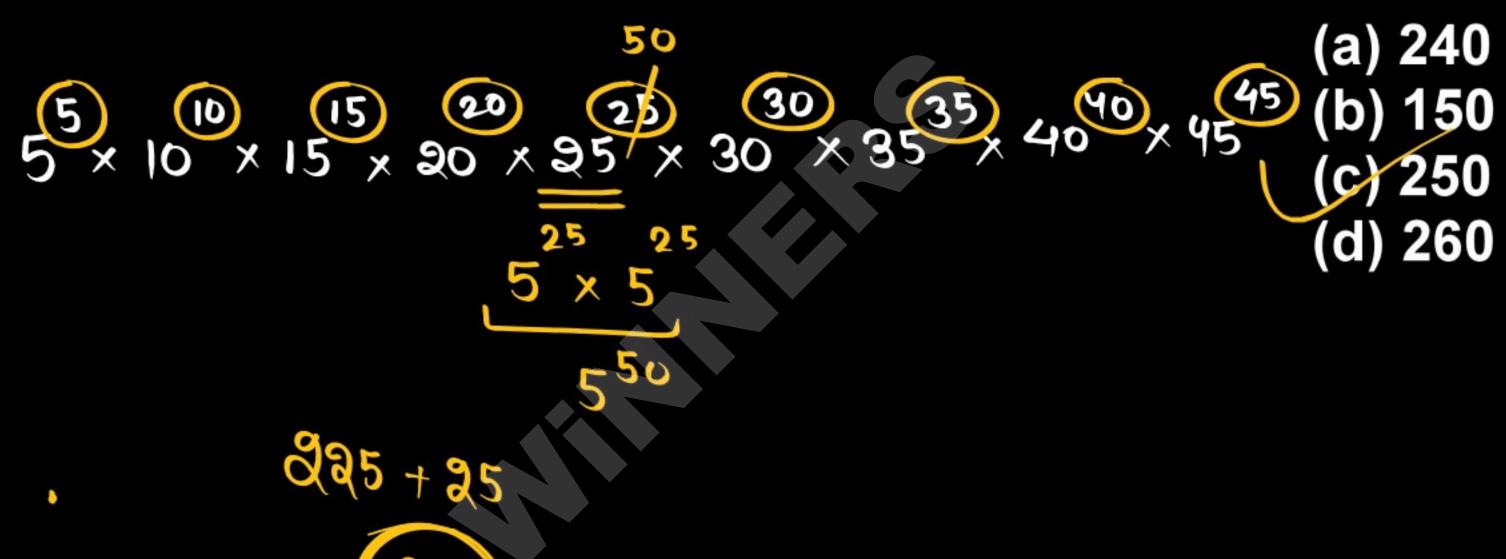


- (a) 15
- (b) 16
- (c) 13

No Zeros

<mark>9.</mark> शून्यों की संख्या ज्ञात कीजिए / Find number of Zeros in

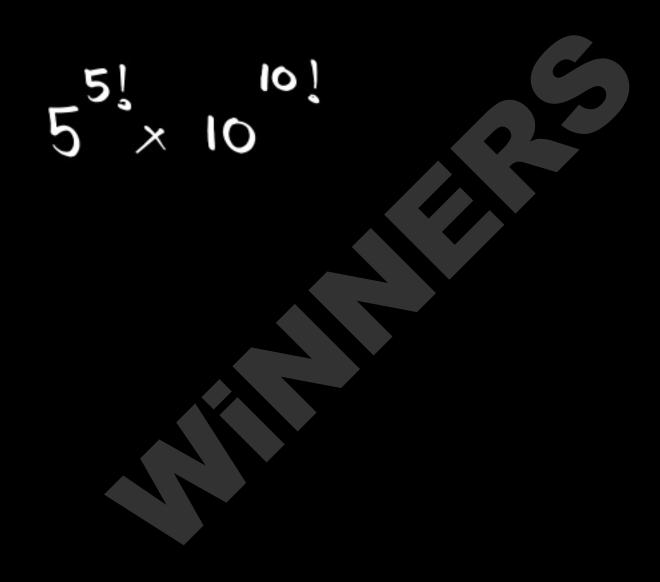
$$1^1 \times 2^2 \times 3^3 \times 4^4 \times \dots \times 49^{49}$$

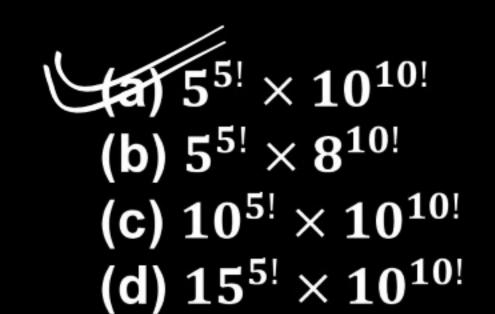




Maths by Aditya Patel Sir

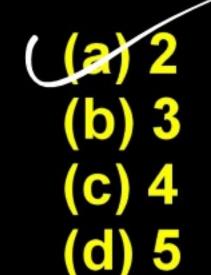
 $\mathbf{1^{1!} \times 2^{2!} \times 3^{3!} \times 4^{4!} \times \times 10^{10!}}$





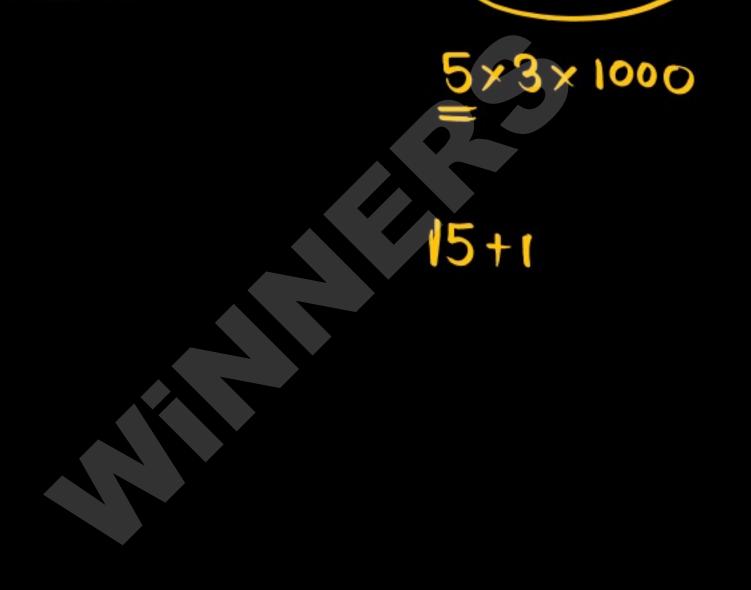
3200 + 1000 + 40000 + 32000 + 15000

Minimum 3200 1000 40000 32000 15000





<mark>12.</mark> शून्यों की संख्या ज्ञात कीजिए / Find number of Zeros in 3200 × 1000 × 40000 × 32000 × 15000



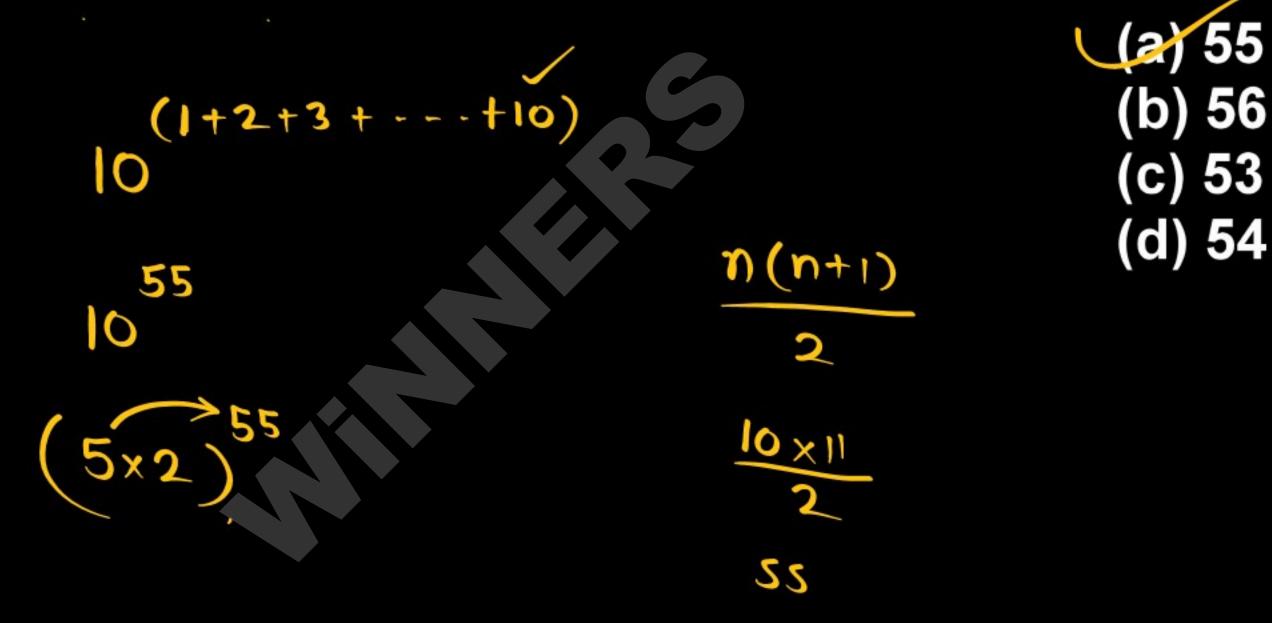
(a) 15

(c) 13

(d) 14



$$10^{1} \times 10^{2} \times 10^{3} \times 10^{4} \times 10^{5} \dots \times 10^{10}$$





<mark>15.</mark> शून्यों की संख्या <u>ज्ञा</u>त कीजिए / Find number of Zeros in

$$(3^{123} - 3^{122} - 3^{121}) \times (2^{121} - 2^{120} - 2^{119})$$

$$3^{121} \left(3^{2} - 3^{1} - 1 \right) \times 2^{119} \left(2^{2} - 2^{1} - 1 \right)$$
(a) 5
(b) 6
(c) 3
(d) 1

$$3^{121} (9-3-1) \times 2^{119} (4-2-1)$$



$$5 \times 10 \times 15 \times 20 \times 25 \times \dots 75$$

$$5\times1\times5\times2\times5\times3\times\cdots\times5\times15$$

$$5\times1\times5\times2\times5\times3\times\cdots\times5\times15$$

(d) 10



Maths by Aditya Patel Sir

17. संख्यायें 2, 4, 6, 8....98, 100 का परस्पर गुणा किया जाता है, तो गुणनफल के अंत में शून्य की संख्या कितनी होगी ?

The number 2, 4, 6, 8....98, 100 are multiplied together. The number of zeros at the end of the product must be:

$$2 \times 4 \times 6 \times 8 \times 10 \times \dots \times 98 \times 100$$

$$2 \times 1 \times 2 \times 2 \times 2 \times 3 \times \dots \times 20$$

$$2 \times 1 \times 2 \times 2 \times 3 \times \dots \times 20$$

$$3 \times 1 \times 2 \times 2 \times 3 \times \dots \times 20$$

$$4 \times 100$$

$$2 \times 100$$

$$3 \times 100$$

$$3 \times 100$$

$$4 \times 100$$

$$5 \times 100$$





ADITYA SIR



CLICK HERE





CLICK HERE





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